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DAMPING WATER FOR PRINTING**Bibliographic data**[Original document](#)

INPADOC LEGAL status

Patent number: JP62007596 (A)**Also published as:****Publication date:** 1987-01-14 JP4003918 (B)**Inventor(s):** OSAWA SADAO; SERA HIDEFUMI; SUZUKI HIROAKI; TANAKA MASAYASU; IWAI MASAHIKO JP1716243 (C)**Applicant(s):** FUJI PHOTO FILM CO LTD; TOMOEGAWA PAPER CO LTD +**Classification:**- international: **B41N3/08; B41N3/00; (IPC1-7): B41N3/08**

- european: B41N3/08

Application number: JP19850145698 19850704**Priority number(s):** JP19850145698 19850704[View INPADOC patent family](#)[View list of citing documents](#)[Report a data error here](#)**Abstract of JP 62007596 (A)**[Translate this text](#)

PURPOSE: To enable damping water to be stably used for printing, by adding specified quantities of a hexacyanoferrate (II) and a phytic acid salt to damping water. **CONSTITUTION:** The damping water comprises at least a hexacyanoferrate (II) in an amount of 0.1-20g/l and a phytic acid salt in an amount of 0.01-10g/l. A pH adjustor, a buffering agent, a wetting agent, a rust preventive or the like may be added to the damping water. The hexacyanoferrate (II) is represented by the general formula M₄[Fe(CN)₆]_n, wherein M is Li, Na, K, NH₄, Rb, Cs or the like. The phytic acid salt may be an alkali metal salt, ammonium salt, an amine salt or the like of phytic acid. As the pH adjustor or buffering agent, at least one inorganic or organic acid or salt thereof is used either singly or in combination.; A main reaction for providing hydro philicity is performed by the hexacyanoferrate (II), while the small amount of the phytic acid salt causes a reaction for moderate suppression of ink built-up, thereby making the entire surface of a master less susceptible to contamination.

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